

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-098942

(43)Date of publication of application : 04.04.2003

(51)Int.Cl. G03H 1/02
G11B 7/24

(21)Application number : 2001-294006

(71)Applicant : TOSHIBA CORP

(22)Date of filing : 26.09.2001

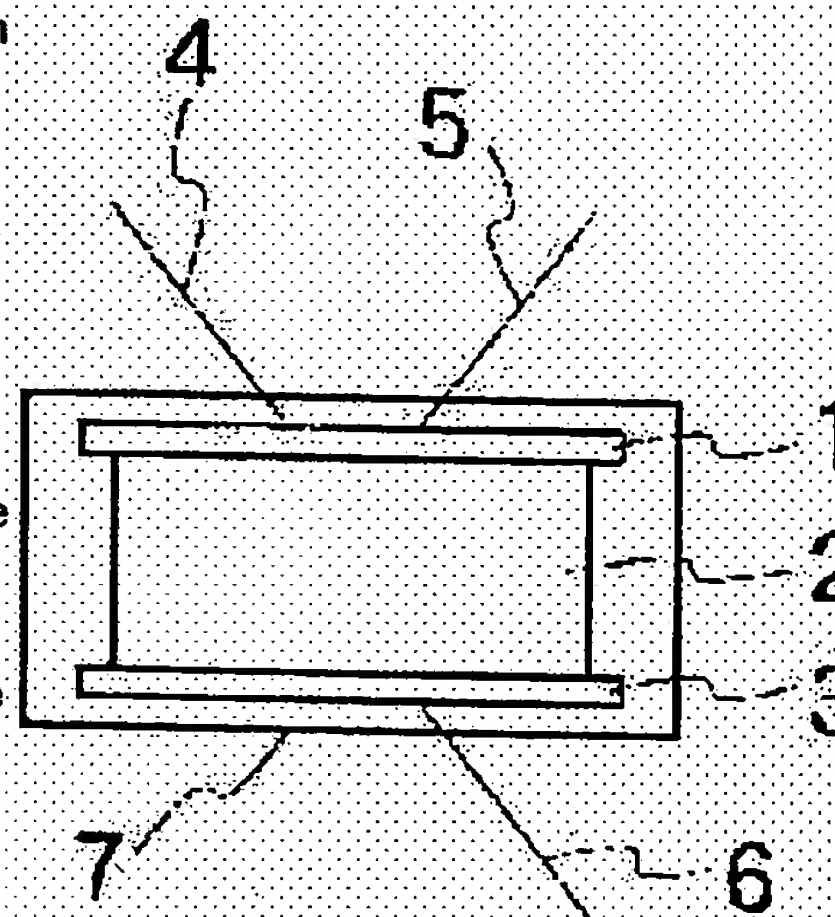
(72)Inventor : TSUKAMOTO TAKAYUKI
HIRAO AKIKO

(54) OPTICAL RECORDING MEDIUM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an optical recording medium for hologram recording which is long in recording life and can make the density of multilayer optical recording additionally higher.

SOLUTION: The optical recording medium contains a charge generating agent which generates first and second charges varying in polarities by irradiation with light and a trapping agent which holds the first charge and is changed in optical characteristics by holding of the charge. The recording medium records the difference in the intensity of the light with which the medium is irradiated as the difference in the optical characteristics of the trapping agent brought about by the holding of the first charge. The trapping agent ≥ 2 groups having electron donative/receptive properties within the molecule and the groups having the donative/receptive properties are bonded by a conjugation system or are in the state that these groups overlap spatially each other.



LEGAL STATUS

[Date of request for examination] 14.02.2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3702210

[Date of registration] 22.07.2005

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]